

ILLINOIS 2015 RESILIENCY ACADEMY



COMMUNITIES – THIS DAY IS FOR YOU

AGENDA:

- GUEST SPEAKERS
- PROJECT PRESENTATIONS
- PROJECT FEED BACK
- BREAKOUT SESSIONS
- SUBJECT MATTER EXPERTS
- BENEFITS-COSTS WORKSHOP
- FOOD!





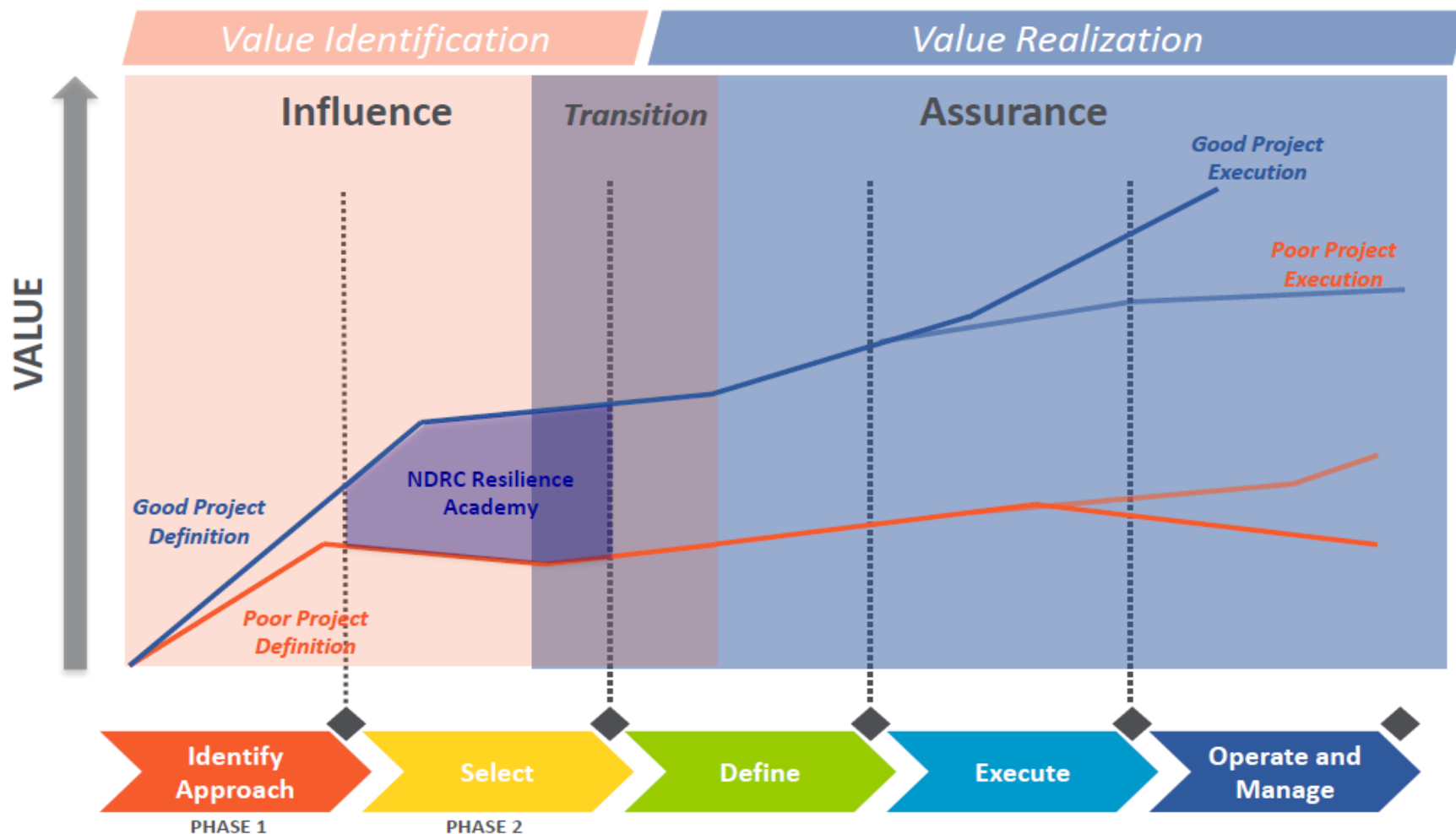
State of Illinois

Disaster Recovery

Resiliency Academy



MAXIMIZING RESILIENCE VALUE



Project Resilience Criteria

- Life Cycle
- Resiliency
- Environmental
- Social
- Economic Revitalization

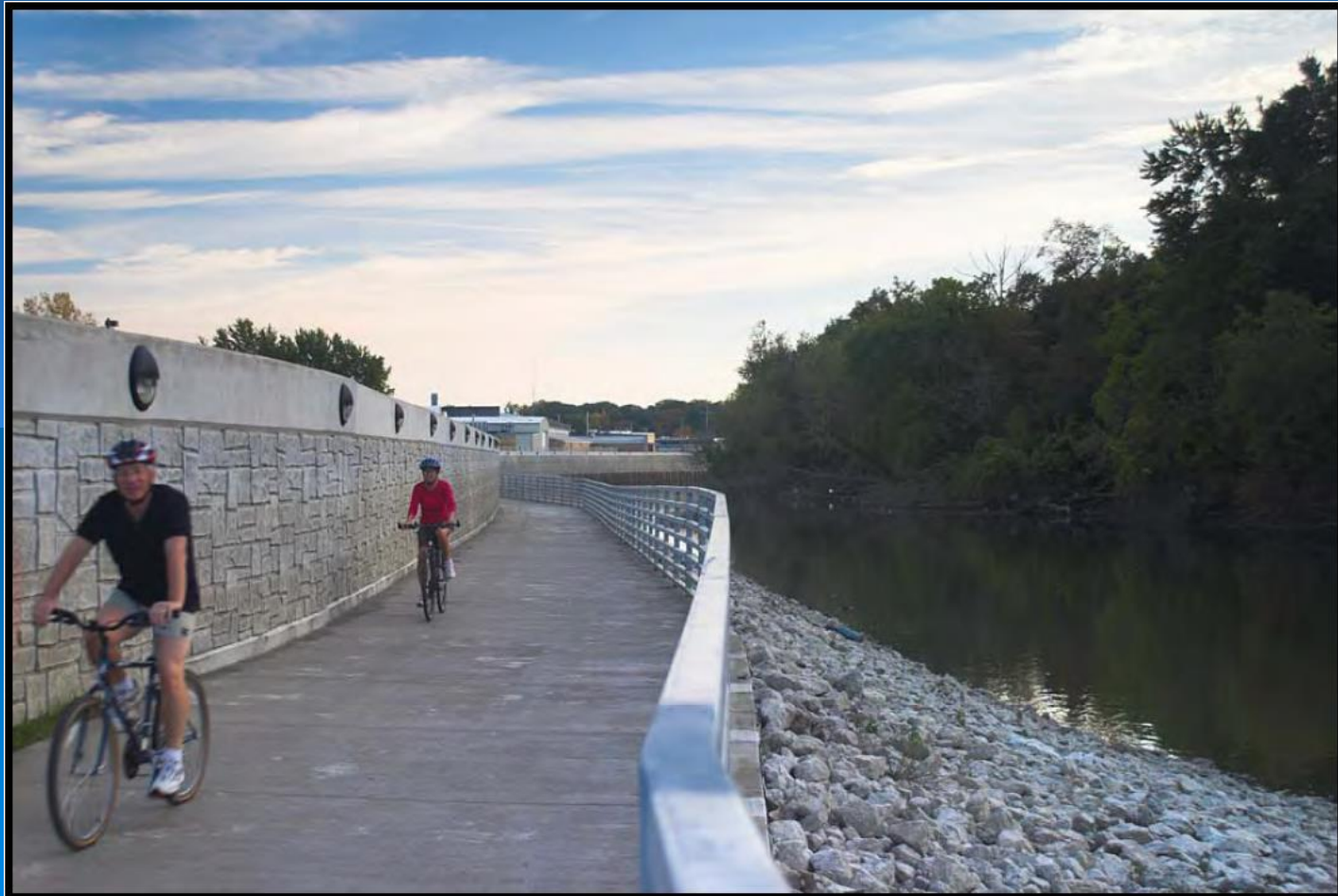


Building Better Resiliency in Illinois





A RESILIENT VISION FOR ILLINOIS





**DEADLIEST
CATCH**

**UNDERCOVER
BOSS**

**THE
AMAZING
RACE** CBS®

SHARK tank

**THE
BIGGEST
LOSER**

**American
Idol
XIII**

National Disaster Resiliency Competition

CHOPPED

**The
BACHELOR**

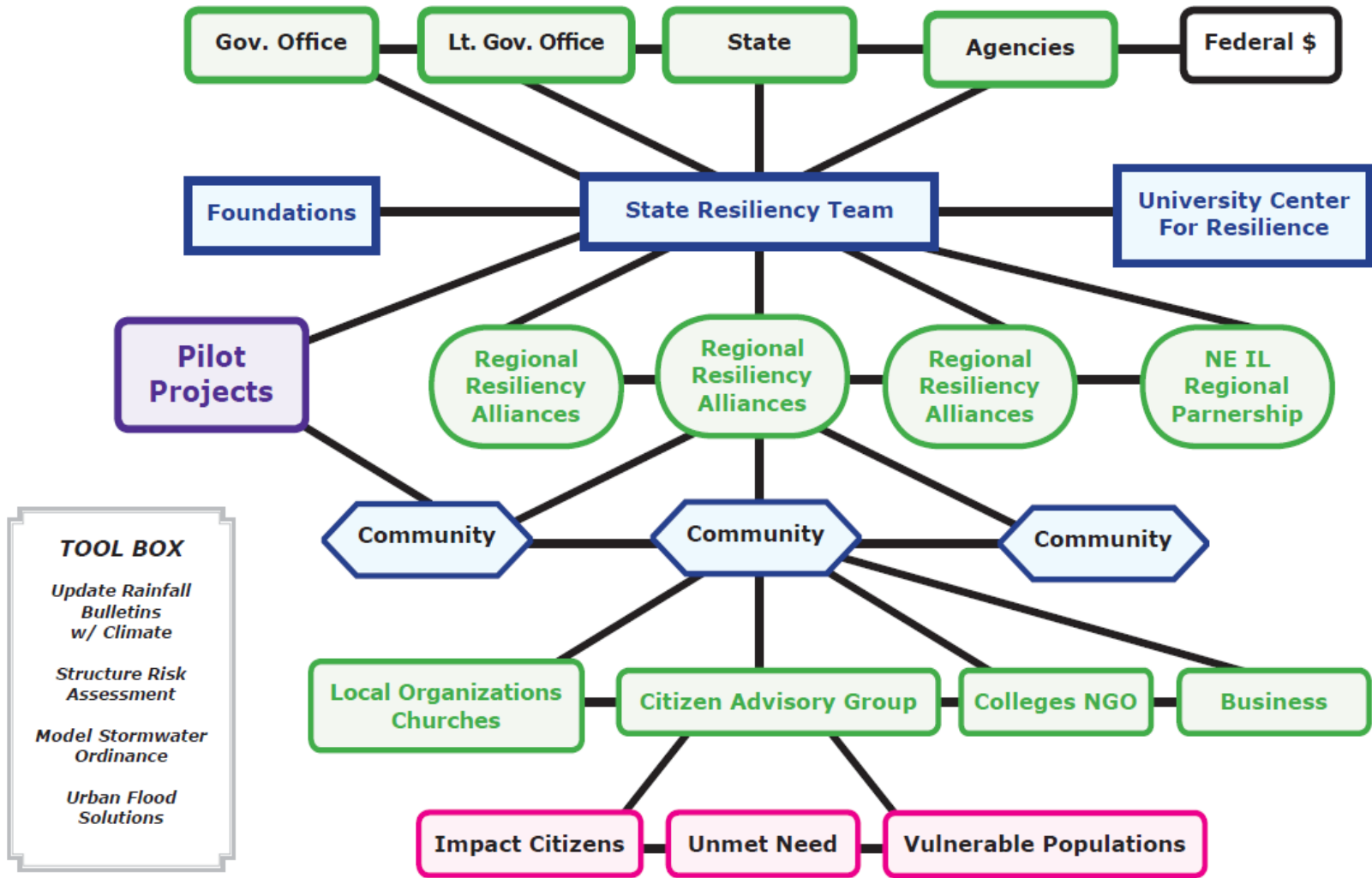
**Hell's
Kitchen**

Illinois Resiliency Plan

Utilize a statewide program to foster state agency and regional resilience partnerships and to implement example resilient pilot projects across the state that employ science based and climate ready resilient approaches to reduce flood risks and impacts in Illinois communities while achieving additional social, economic and environmental benefits.



Illinois



TOOL BOX

***Update Rainfall
Bulletins
w/ Climate***

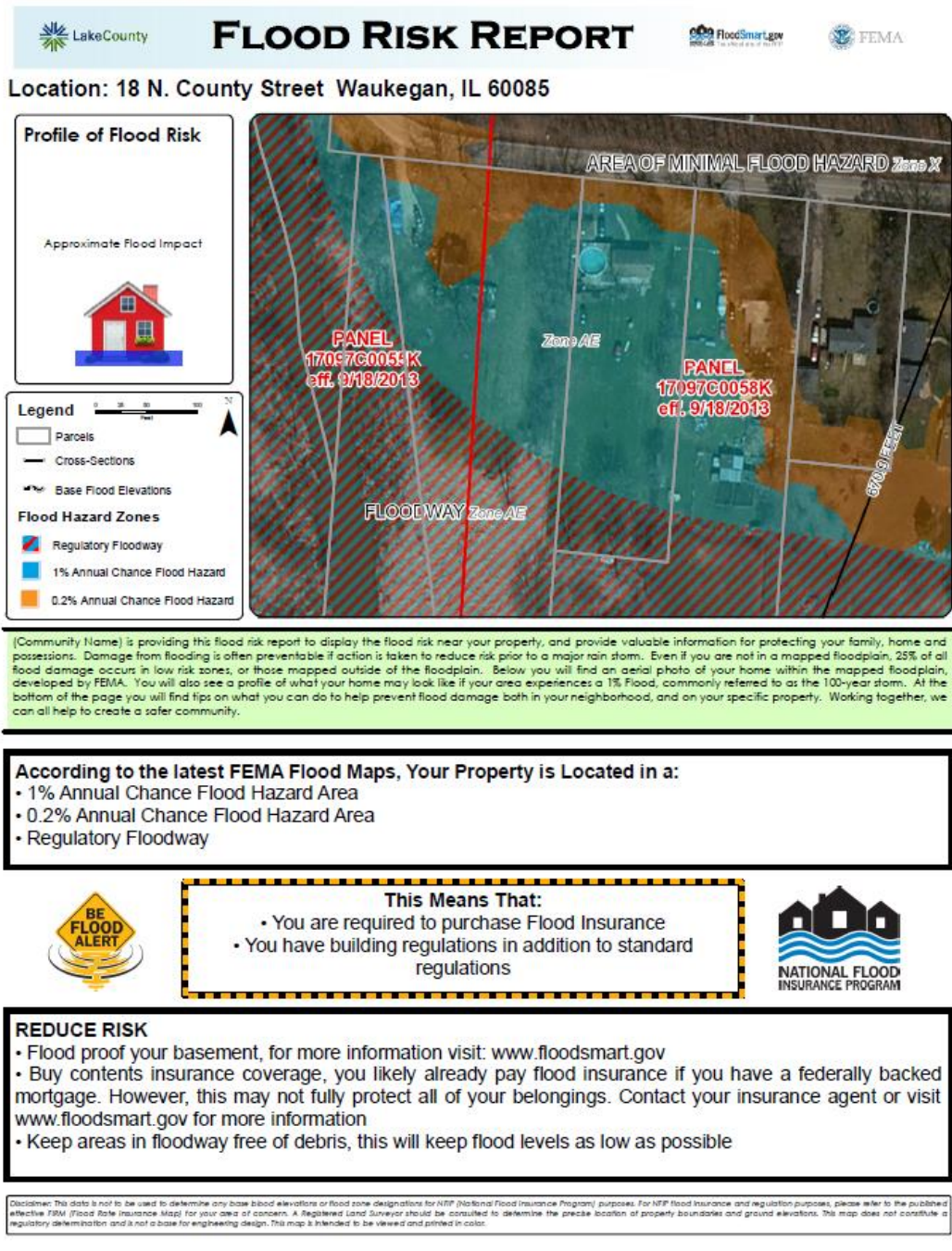
***Structure Risk
Assessment***

***Model Stormwater
Ordinance***

***Urban Flood
Solutions***



Statewide Structure Risk Assessments



TOOL BOX

***Update Rainfall
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Urban Flooding Solutions



Bellwood flooded basement July 2010 (Chuck Berman, Chicago Tribune)

- Stormwater Ordinance
- Raingardens
- Overhead sewer programs
- Overland flow paths
- Stormwater utilities



State of Illinois
Illinois Department of Natural Resources

REPORT FOR THE Urban Flooding Awareness Act

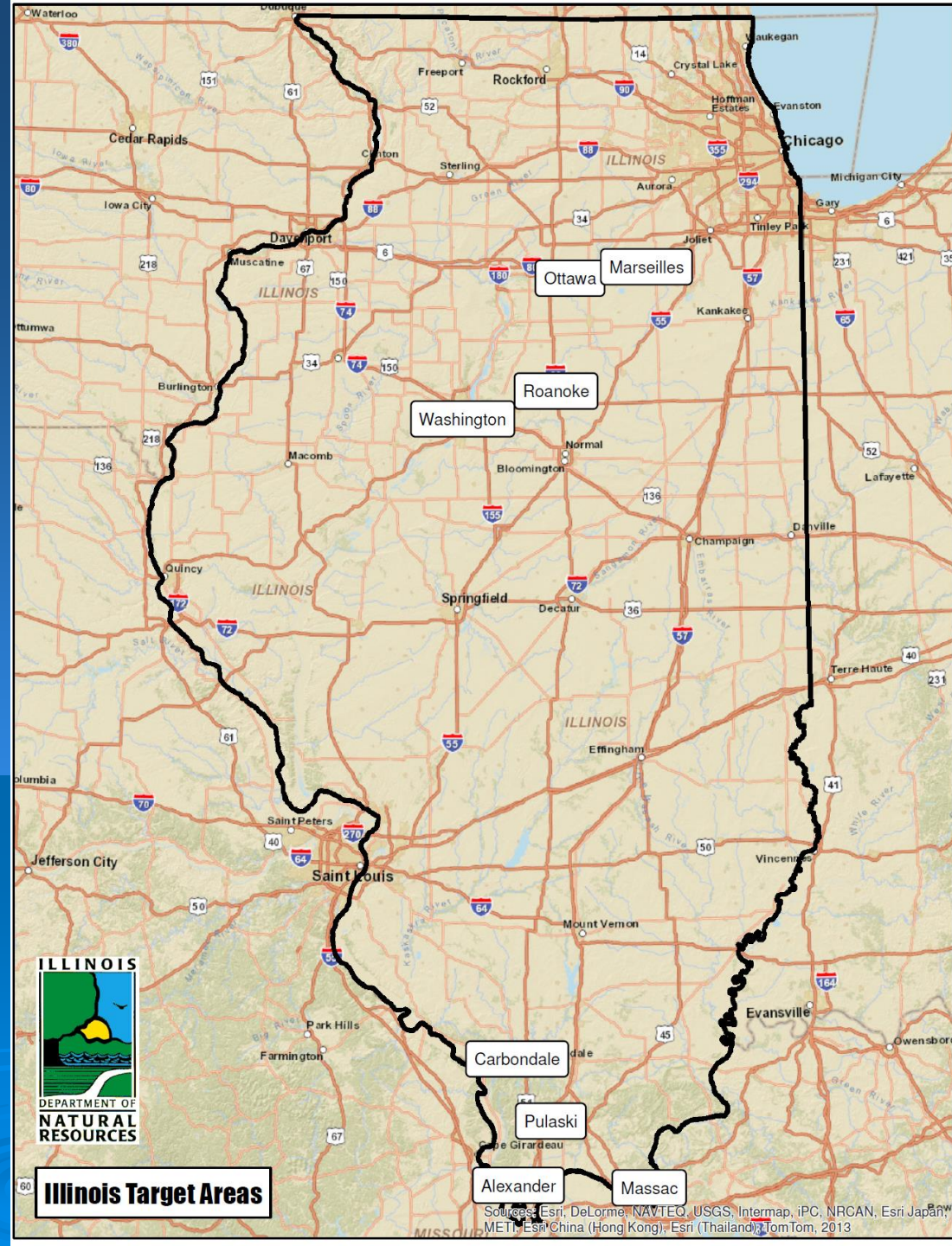


JUNE 2015

Illinois Resiliency Plan

Opportunity to implement resilient pilot projects across the state

Opportunity to influence the way we think about incorporating additional co-benefits into the projects we build together



Project Resilience Criteria

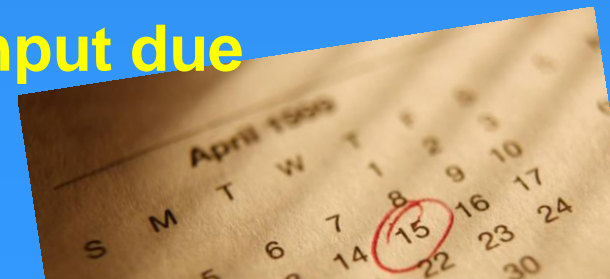
- Life Cycle
- Resiliency
- Environmental
- Social
- Economic Revitalization





The Clock is Ticking!

- **September 21:** 95% Completed Strategic Planning Study including Benefit / Cost Ratio and all factor narratives due
- **October 2:** Pre-final application posted for comments
- **October 5:** Public Hearing for state project
- **October 26:** Final Application submitted to HUD
 - August 31: Factor 1 and 2 narratives input due
 - September 8: Factor 4 and 5 narratives input due
 - September 21: Factor 3 narrative input due

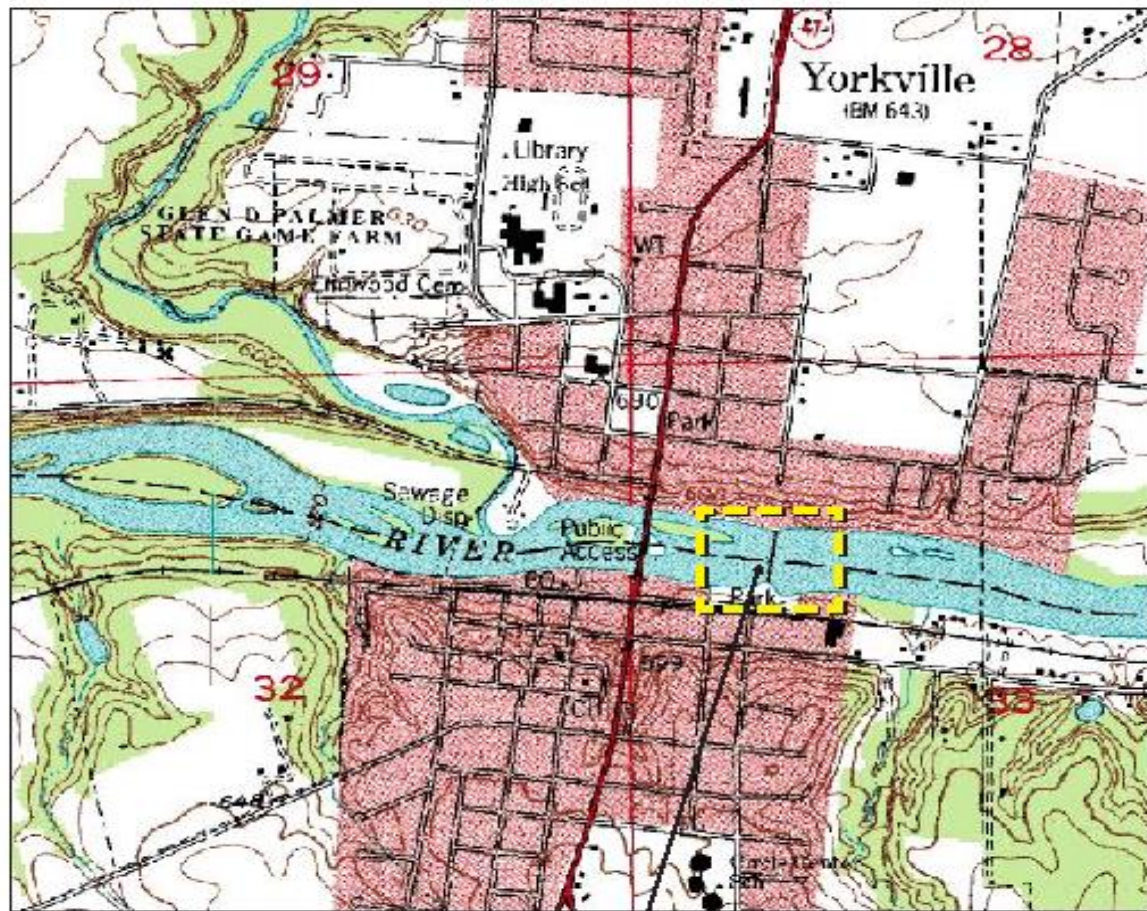


EXAMPLES OF MULTI-BENEFIT RESILIENT PROJECTS IN ILLINOIS



Yorkville Dam: Challenges and Opportunities of Dam Mitigation





Project Site

Project Description

Yorkville Multi-Purpose Dam Project

Location:

Fox River
Yorkville, IL
Kendall County



Yorkville Dam Problems

Public Safety

Fish Passage

Fish Health

Boat Passage

Project collaboration with the local citizen advisory group and Illinois Paddling Council



Four Step Modified Spillway



Natural Bypass Channel



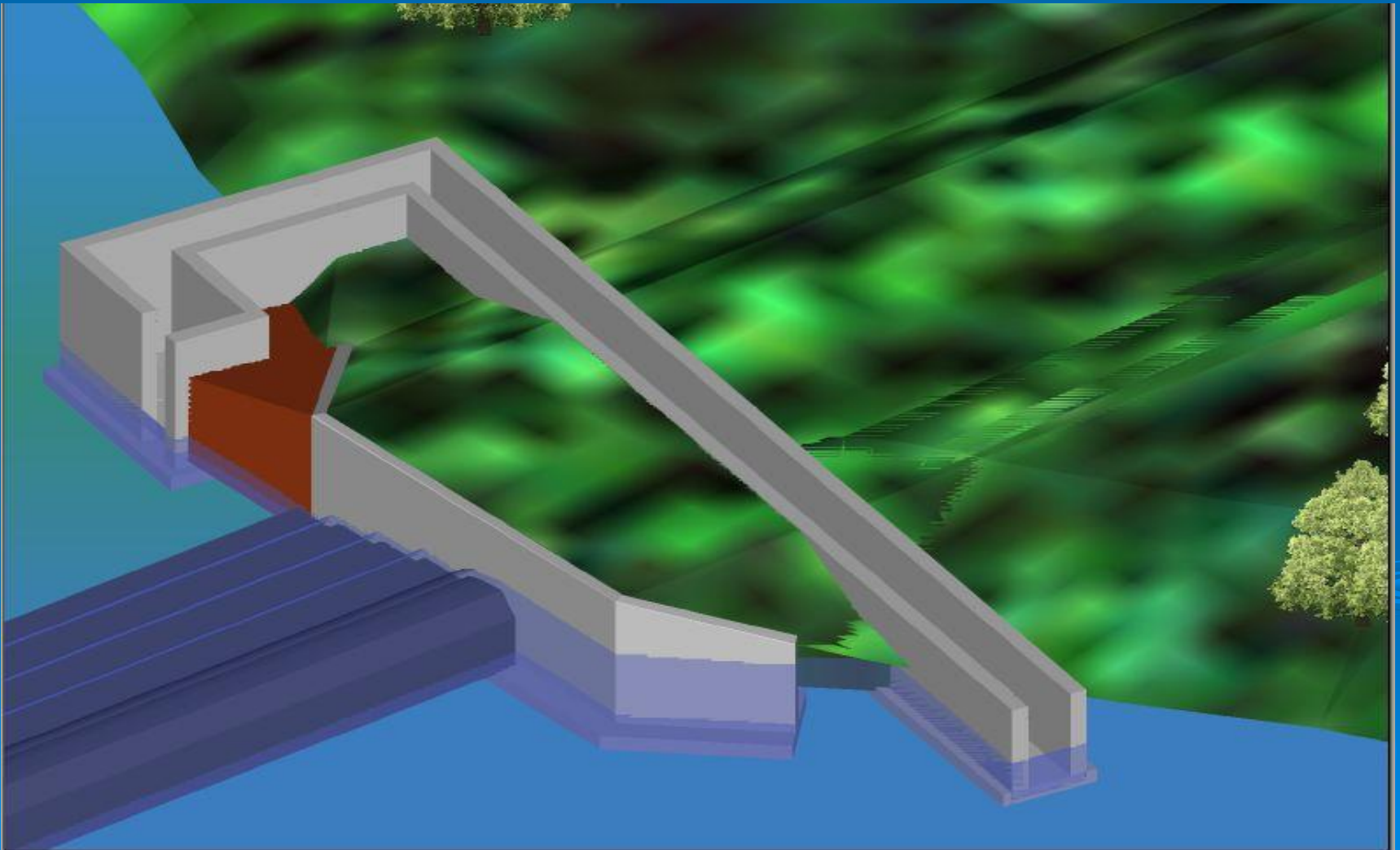
Fish Passage

Boat Passage

Recreation

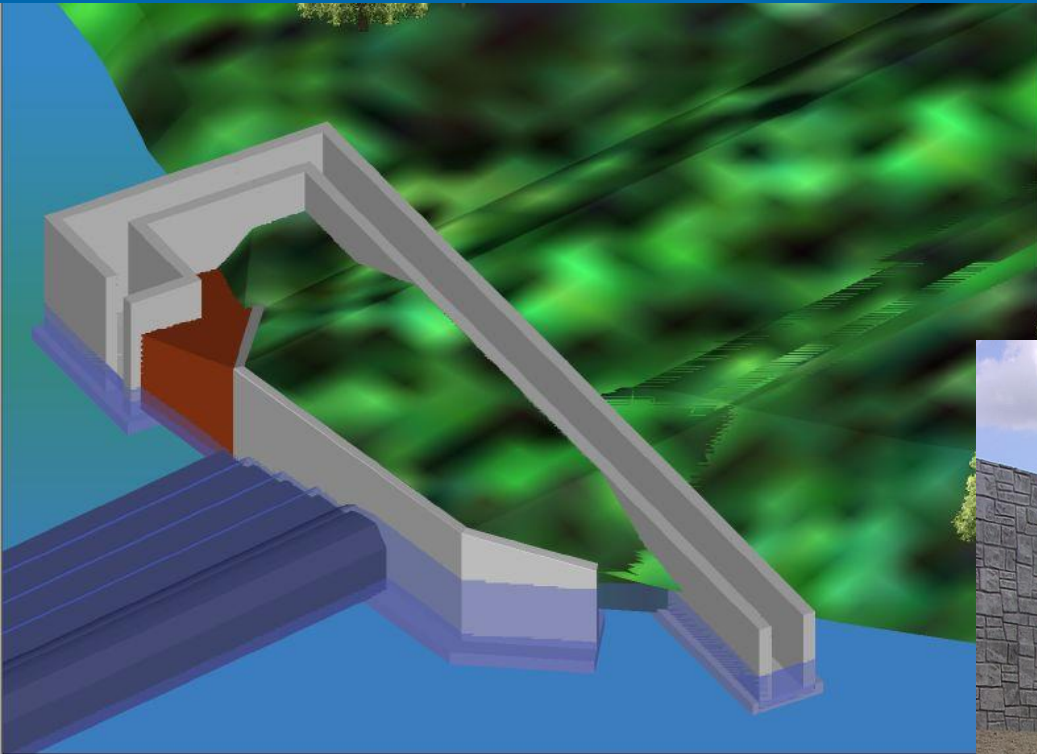
Fish Passage

- Denil Fish Ladder (aka debris shopvac) Low water entry improves D.O.



Low Flow Distribution

Denil, Dam Notch and
Gated Bypass Culvert



Public Access to Divider Island for Public Waters Fishing



Additional Benefits

- Whitewater Boat Training Classes
- Fire Department – Whitewater Rescue Training
- Family Photo Location
- New Businesses at the Bypass Channel



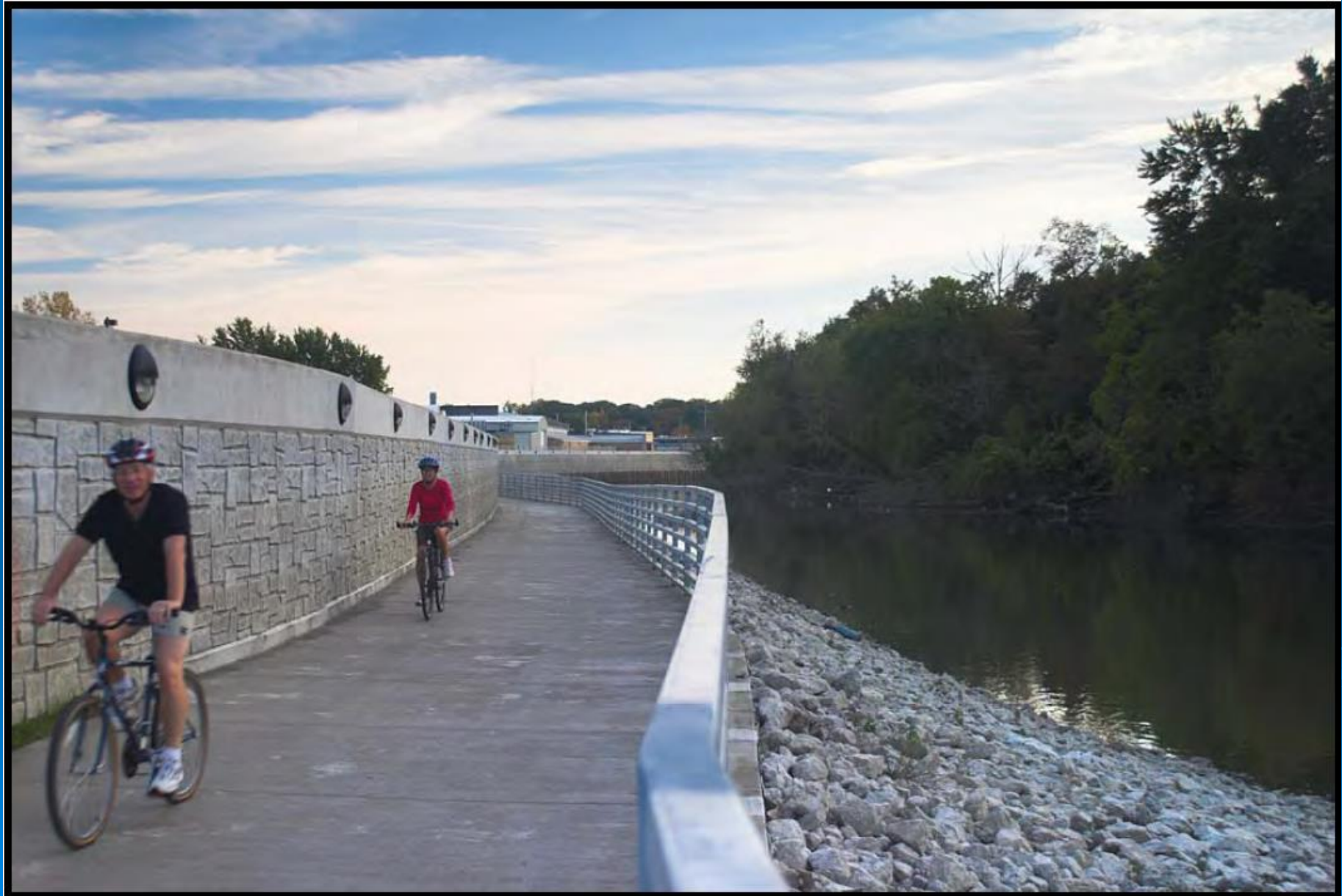
RAND PARK LEVEE / FLOODWALL AND MULTI-USE TRAIL





RAND PARK FLOODWALL & LEVEE



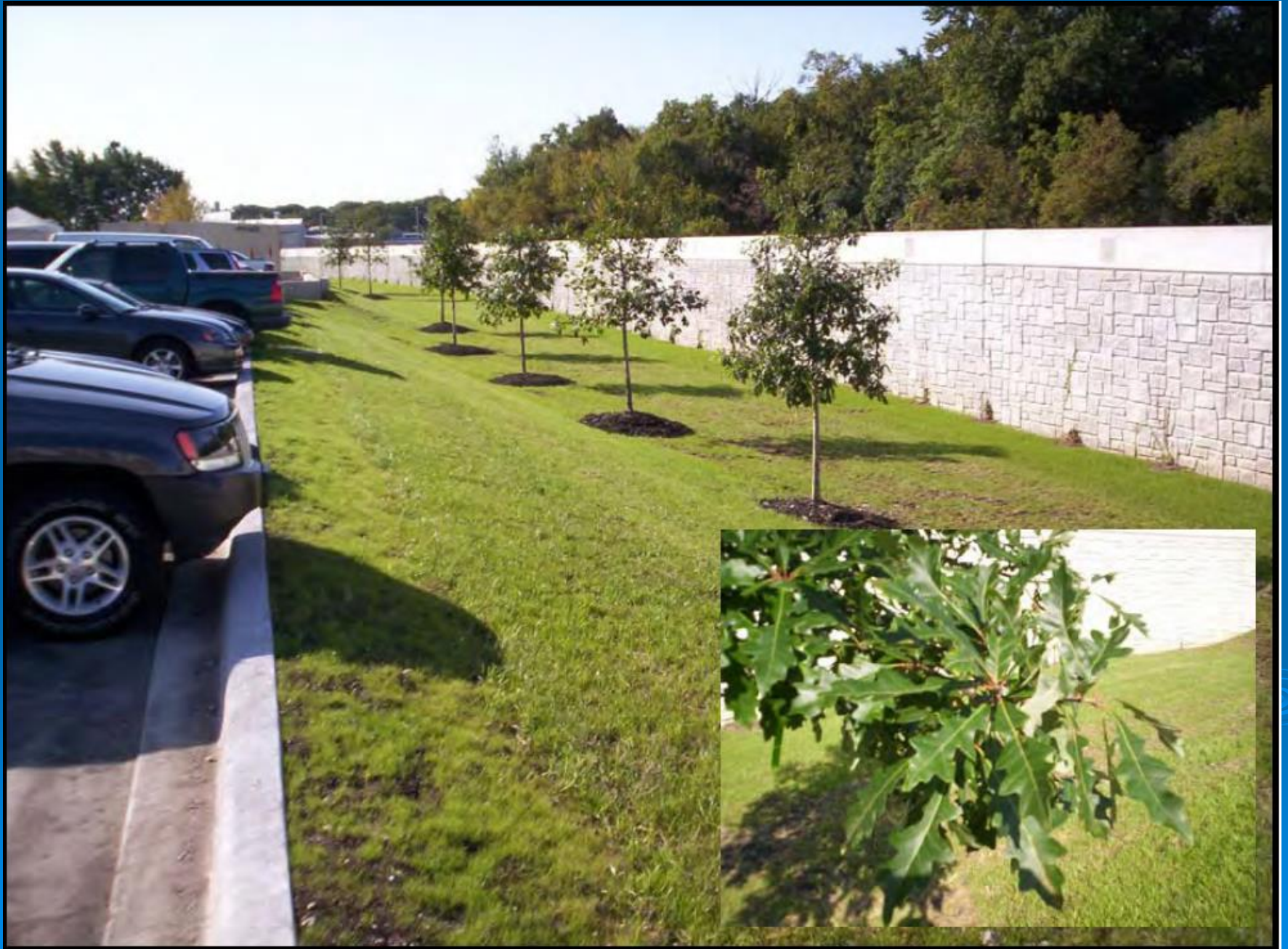


TRAIL UNDERPASS SITE AT DEMPSTER/MINER



Interior Drainage at “Wheels”





No disruption of life this day!
That's Resiliency



QUESTIONS?

